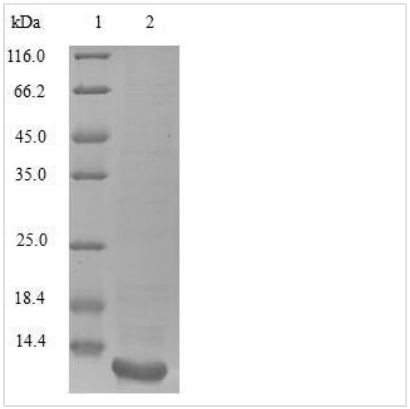
Recombinant Vaejovis mexicanus smithi Potassium channel toxin alpha-KTx 21.1

Product Code	CSB-MP317987VAK
Relevance	Selectively and irreversibly binds (K(d)=2.9 pM) and blocks hKv1.3/KCNA3 potassium channels of human T-lymphocytes. Weakly blocks hKCa3.1/KCNN4, mKv1.1/KCNA1, and hKv1.2/KCNA2 channels. In vivo, high doses (200 ?g) produce no symptoms of intoxication when injected into mice.
Abbreviation	Recombinant Vaejovis mexicanus smithi Potassium channel toxin alpha-KTx 21.1 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P0DJ31
Alias	Toxin Vm24 Toxin alpha-KTx 21.1
Product Type	Recombinant Protein
Immunogen Species	Vaejovis mexicanus smithi (Scorpion) (Vaejovis smithi)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	AAAISCVGSPECPPKCRAQGCKNGKCMNRKCKCYYC
Research Area	Others
Source	Mammalian cell
Protein Names	Recommended name: Potassium channel toxin alpha-KTx 21.1 Alternative name(s): Toxin Vm24
Expression Region	1-36aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Mol. Weight	7.9kDa
Protein Length	Full Length
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.
Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.